

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

WIN-1725

Effective Date: March 1, 2013

Reevaluation Date: **August 2016**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

**Series 6412 Vinyl Horizontal Sliding Windows, Impact Resistant**, manufactured by

**Regency Plus, Inc.**  
**2000 Locust Gap Highway**  
**Mount Carmel, Pennsylvania 17851**  
**Telephone: (570) 339-3374**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 6412 Vinyl Horizontal Sliding Windows; XO	LC-PG50 74 x 63-HS Missile Level D	+45 psf / -50 psf

### Component Dimensions:

System	Overall Window Size	Sash Size	Fixed Daylight Opening Size
1	74" x 63"	36 1/4" x 60"	33" x 57 1/2"

### Product Identification:

System	Certification Agency	NAMI
1	Manufacturer's Name or Code Name	Regency Plus, Inc.
	Product Name	6412 Vinyl Impact Rated Horizontal Slider
	Test Standards	ANSI/AAMA/WDMA 101/I.S.2/A440-05/08 ASTM E 1886-04, ASTM E 1996-04 Missile Level D

### Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Installation:**

**Design Drawings:** The windows shall be installed in accordance with Drawing No. 08-01715, titled "Series 6412 Vinyl Horizontal Sliding Window 74 x 63," sheets 1 through 3 of 3, dated September 17, 2012, signed and sealed by Luis R. Lomas., P.E on September 18, 2012. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Wall Framing Construction:** The windows may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 3,192 psi)
- Hollow concrete block; ASTM C-90, Grade N, Type 1 (or greater)
- Wood dimension lumber (minimum Spruce-Pine-Fir)
- Steel (18 gauge, 33 ksi)
- Aluminum (6063-T5 , minimum 0.125")

**Installation:**

- Refer to Sheet 1 of 3 of the approved drawings for elevation and notes.
- Refer to Sheets 2 of 3 and 3 of 3 of the approved drawings for installation details.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.